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PATENT
Attorney Docket No.: 2003-IP-011866 U1 USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Paul D. Ringgenberg
Serial No.: 10/790,908
Filed: March 2, 2004
Entitled: DISTRIBUTED TEMPERATURE
SENSING IN DEEP WATER SUBSEA
TREE COMPLETIONS
Group Art Unit: 2874

RULE 1.48(a) REQUEST TO CORRECT INVENTORSHIP

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This is a request to correct inventorship under 37 CFR §1.48(a). John L. Maida, Jr. is being added as an inventor in the above-identified application. Enclosed are the following: a Rule 1.48(a)(2) Statement, a Rule 3.73(b) Consent of the Assignee, two Declarations signed by the actual inventors and a check in the amount of \$130.00 for the fee specified in 37 CFR §1.17(i).

Respectfully submitted,

KONNEKER & SMITH, P.C.

Marlin R. Smith
Attorney for Applicants
Registration No. 38,310

Dated: Aug. 5, 2004

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660 North Central Expressway
Suite 230
Plano, Texas 75074
(972) 516-0030

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,

on AUGUST 5, 2004
Shemra Duffko



PATENT
Attorney Docket No.: 2003-IP-011866 U1 USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

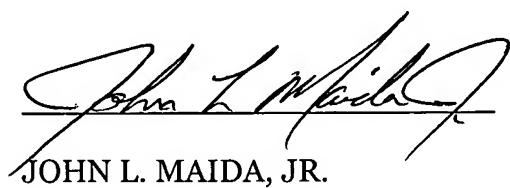
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RULE 1.48(a)(2) STATEMENT

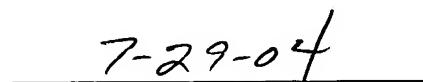
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, John L. Maida, Jr., a person being added as an inventor in the above-identified patent application, hereby state that the error in inventorship occurred without deceptive intention on my part.



JOHN L. MAIDA, JR.



Date

Respectfully submitted,

KONNEKER & SMITH, P.C.



Marlin R. Smith
Attorney for Applicants
Registration No. 38,310

Dated: Aug. 5, 2004

660 North Central Expressway
Suite 230
Plano, Texas 75074
(972) 516-0030

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on AUGUST 5, 2004
Shenna Juffles



PATENT
Attorney Docket No.: 2003-IP-011866 U1 USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Paul D. Ringgenberg
Serial No.: 10/790,908
Filed: March 2, 2004
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SENSING IN DEEP WATER SUBSEA
TREE COMPLETIONS
Group Art Unit: 2874

RULE 3.73(b) CONSENT OF ASSIGNEE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

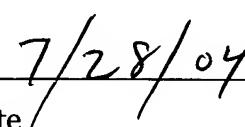
This accompanies a request to correct inventorship in the above-identified application under 37 CFR §1.48(a). HALLIBURTON ENERGY SERVICES, INC. is the assignee of the application as evidenced by the enclosed copy of the assignment forwarded for recording at the time the application was filed. The assignee hereby consents to addition of John L. Maida, Jr. as an inventor in the application. The undersigned is a duly authorized officer of the assignee.

HALLIBURTON ENERGY SERVICES, INC.



by: WILLIAM E. SHULL

Vice President and Chief Patent Counsel


Date

Respectfully submitted,

KONNEKER & SMITH, P.C.



Marlin R. Smith
Attorney for Applicants
Registration No. 38,310

Dated: Aug. 5, 2004

660 North Central Expressway
Suite 230
Plano, Texas 75074
(972) 516-0030

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,

on AUGUST 5, 2004
Shelia Shaffer

PATENT
2003-IP-011866 U1 USA

ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to me by HALLIBURTON ENERGY SERVICES, INC., and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, **Paul D. Ringgenberg**, having made an invention in an "**Distributed Temperature Sensing in Deep Water Subsea Tree Completions**" while in the employ of HALLIBURTON ENERGY SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at 2601 Beltline Road, Carrollton, Texas, 75006, (sometimes hereinafter called "**ASSIGNEE**"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, my entire right, title and interest throughout the world in and to:

1. Said invention in a "**Distributed Temperature Sensing in Deep Water Subsea Tree Completions**";
2. United States of America patent application on said invention, Attorney File No. **2003-IP-011866 U1 USA**, U.S. Serial No. **Unknown**, filed **Herewith**, entitled "**Distributed Temperature Sensing in Deep Water Subsea Tree Completions**";
3. All applications for patent or like protection on said invention that have now been or may in the future be made by me or my legal representatives, whether in the United States of America or any other place anywhere in the world;
4. All patents and like protection that have now been or may in the future be granted on said invention to me or my legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;
6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;

7. The right to ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

8. All international rights of priority associated with said invention, applications, patents and like protection; and we covenant that we, our heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

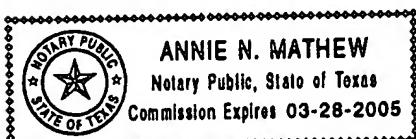
EXECUTED at Dallas County, Texas, on the 1 day of
MAR, 2004.


Paul D. Ringgenberg

STATE OF TEXAS
COUNTY OF DALLAS

BEFORE ME, the undersigned authority, on this day personally appeared **Paul D. Ringgenberg** known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 1st
day of March, 2004.



[SEAL]

My Commission Expires: 3-28-2005

Jane N. Hatten
Notary Public

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I the undersigned,

JOHN L. MAIDA, JR.

Hereby sell, assign and transfer to HALLIBURTON ENERGY SERVICES, INC., (hereinafter referred to as the Assignee), having a place of business at 4100 Clinton Drive, Houston, TX 77020-6299, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, said application having been filed on March 2, 2004 and assigned serial no. 10/790,908, and in and to said application and all provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all utility models, industrial models, certificates of invention, and designs on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all provisional, divisional, continuing, substitute, renewal, reissue and all other patent applications, and all other like rights of exclusion in any country on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and vesting title to said improvements and all

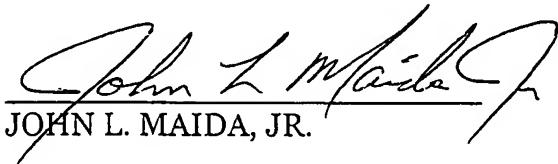
PATENT
Attorney Docket No.: 2000IPooo

applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF, I have duly executed this assignment this

29 day of July, 2004.

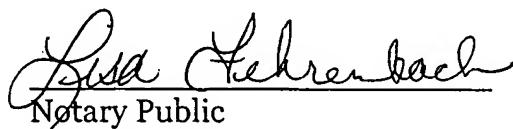

JOHN L. MAIDA, JR.

STATE OF TEXAS }
COUNTY OF Harris }
 }S.S.

BEFORE ME, the undersigned authority, on this day personally appeared JOHN L. MAIDA, JR., known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this

29 day of July, 2004.


Linda Fehrenbach
Notary Public

My Commission Expires:

5-27-08

SEAL





PATENT
Attorney Docket No.: 2003-IP-011866 U1 USA

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- (X) original
() design
() supplemental
() national stage of PCT.

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DISTRIBUTED TEMPERATURE SENSING IN DEEP WATER SUBSEA TREE COMPLETIONS

the specification of which:

- () is attached hereto.

(X) was filed on March 2, 2004 as Application Serial No. 10/790,908 and was amended on _____ (if applicable).

() was described and claimed in PCT International Application No. _____, filed on _____ and as amended under Article 19 on _____ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to be material to the patentability of any claim in accordance with 37 CFR §1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent.

I hereby claim foreign priority benefits under 35 USC §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)			
Number	Country	Day/Month/Year Filed	Priority Claimed?
		-NONE-	

This declaration is of the following type: (if applicable)

- () divisional
() continuation
() continuation-in-part

I hereby claim the benefit under 35 USC §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is

not disclosed in the prior United States application in the manner provided by 35 USC §112, first paragraph, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PRIOR UNITED STATES APPLICATION(S)		
<u>Number</u>	<u>Day/Month/Year Filed</u>	<u>Status (Patented/Pending/Abandoned)</u>
		-NONE-

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith, and as agents to represent me before all the competent International Authorities in connection with any international applications filed with any Receiving Office under the Patent Cooperation Treaty claiming priority to this application, and to make or receive payments on my behalf: William E. Shull, Reg. No. 29,438; Craig W. Roddy, Reg. No. 36,256; William M. Imwalle, Reg. No. 35,904; Paul I. Herman, Reg. No. 37,349; Michael D. McCully, Reg. No. 29,566; Robert A. Kent, Reg. No. 28,626; Mark Smith, Reg. No. 30,220; John W. Wustenberg, Reg. No. 35,415; Clive Menezes, Reg. No. 45,493; Scott F. Wendorf, Reg. No. 48,029; and William R. Peoples, Reg. No. 25,906 of HALLIBURTON ENERGY SERVICES, INC. P.O. Box 819052 Dallas, Texas 75381-9052; and J. Richard Konneker, Reg. No. 28,867; and Marlin R. Smith, Reg. No. 38,310 of KONNEKER & SMITH, P.C. 660 N. Central Expwy., Suite 230 Plano, Texas 75074.

SEND CORRESPONDENCE TO: Customer No. 020558

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor Name: Paul D. Ringgenberg

Inventor's Signature: _____

Date: _____

Residence and Post Office Address: 2118 Goliad Circle, Frisco, TX 75034-5212

Citizenship: USA

Inventor Name: John L. Maida, Jr.

Inventor's Signature: John L. Maida, Jr.

Date: 7-29-04

Residence and Post Office Address: 10420 Memorial Drive, Houston, TX 77024

Citizenship: USA



PATENT
Attorney Docket No.: 2003-IP-011866 U1 USA

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- (X) original
() design
() supplemental
() national stage of PCT.

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DISTRIBUTED TEMPERATURE SENSING IN DEEP WATER SUBSEA TREE COMPLETIONS

the specification of which:

- () is attached hereto.

(X) was filed on March 2, 2004 as Application Serial No. 10/790,908 and was amended on _____ (if applicable).

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PRIOR FOREIGN APPLICATION(S)			
Number	Country	Day/Month/Year Filed	Priority Claimed?
		-NONE-	

This declaration is of the following type: (if applicable)

- () divisional
() continuation
() continuation-in-part

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not disclosed in the prior United States application in the manner provided by 35 USC §112, first paragraph, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PRIOR UNITED STATES APPLICATION(S)		
<u>Number</u>	<u>Day/Month/Year Filed</u>	<u>Status (Patented/Pending/Abandoned)</u>
		-NONE-

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith, and as agents to represent me before all the competent International Authorities in connection with any international applications filed with any Receiving Office under the Patent Cooperation Treaty claiming priority to this application, and to make or receive payments on my behalf: William E. Shull, Reg. No. 29,438; Craig W. Roddy, Reg. No. 36,256; William M. Imwalle, Reg. No. 35,904; Paul I. Herman, Reg. No. 37,349; Michael D. McCully, Reg. No. 29,566; Robert A. Kent, Reg. No. 28,626; Mark Smith, Reg. No. 30,220; John W. Wustenberg, Reg. No. 35,415; Clive Menezes, Reg. No. 45,493; Scott F. Wendorf, Reg. No. 48,029; and William R. Peoples, Reg. No. 25,906 of HALLIBURTON ENERGY SERVICES, INC. P.O. Box 819052 Dallas, Texas 75381-9052; and J. Richard Konneker, Reg. No. 28,867; and Marlin R. Smith, Reg. No. 38,310 of KONNEKER & SMITH, P.C. 660 N. Central Expwy., Suite 230 Plano, Texas 75074.

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Inventor Name: Paul D. Ringgenberg

Inventor's Signature: 

Date: 28 JUL 04

Residence and Post Office Address: 2118 Goliad Circle, Frisco, TX 75034-5212

Citizenship: USA

Inventor Name: John L. Maida, Jr.

Inventor's Signature: _____

Date: _____

Residence and Post Office Address: 10420 Memorial Drive, Houston, TX 77024

Citizenship: USA